| DAILY FIELD ACTIVITIES SUMMARY REPORT | | | |
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| PROJECT NAME: R&H Oil/Tropicana Energy Site, San Antonio, Texas | | | |
| Date: 05/24/11 | Shift Beginning: 8:15 hours | | Shift Ending: 18:35 hours |
| RAC II Contract No.: EP-W-06-004 | | | Task Order No.: 0074 |
| EPA Region 6 TOM: Chris Villarreal | | | Project Manager: Ted Telisak |
| Design Manager: N/A | | | Site Geologist: Teri McMillan |
| Design Engineer: N/A | | | Site Engineer: N/A |
| **Personnel on site** | **Name** | **Affiliation** | **Reason for being on site** |
| EA: | Teri McMillan | EA | Drilling Oversight |
| Subcontractors: | Robert Joiner<br>Cody Clayton<br>Derek Withoff | Vortex | Driller |
| Other: | Chris Villarreal<br>Marilyn Long<br>Dani Sattman<br>Eric Pastor<br>Chris Moore<br>Tim Nickels<br>Roberta McClure | EPA<br>TCEQ<br>TCEQ<br>PBW<br>PBW<br>PBW<br>PBW | Drilling Oversight<br>Drilling Oversight<br>Drilling Oversight<br>Environmental Consultant<br>Environmental Consultant<br>Environmental Consultant<br>Environmental Consultant |

**Work Performed**

Pastor, Behling & Wheeler, LLC (PBW) is the environmental consultant that is conducting the remedial investigation field activities. EA is providing oversight of field activities on behalf of EPA.

EA oversaw the advancement of nine borings (MW-16, MW-13, NMW-2, MW-15, NMW-3, MW-17, MW-19, NMW-5 and NMW-4) using a Geoprobe®. All nine soil borings, except for boring NMW-2, were advanced to a total depth of 25 feet bgs. NMW-2 was advanced to 30 feet bgs. Soil samples were collected in 5 foot long acetate sleeves. PBW logged continuously, collected headspace measurements with a PID every 2 feet, and collected three soil samples from each boring at the following intervals:

0-0.5 feet bgs – collected by first clearing the upper 1 to 2 inches of top soil and then samples collected.

0.5 – 4 feet bgs – collected a soil sample from this interval based on olfactory and visual observations.

5- 25 feet bgs – vadose zone soil sample based on highest headspace measurement obtained by using a PID. It was noted that many samples were collected from this interval within the saturated zone. PBW decided to collect the sample with the highest headspace measurement from the 5 -25 foot interval regardless of it being in the vadose or saturated zone.

Soil samples were to be submitted for analysis of TPH, VOCs (Terra Core Method), SVOCs and RCRA 8 Metals. Boreholes were plugged using bentonite hole plug hydrated.

A water level was not measured in borehole MW-14 prior to PBW leaving the site on 23 May 2011. Instead a water level was measured in borehole MW-14 on 24 May 2011, and it was approximately 22 feet bgs.

Evidence of hydrocarbon odor was noted in all borings advanced today. Many borings had hydrocarbon staining present. Boring MW-13 located on the northern portion of the site, had significant contamination present, with the upper 7 feet of soil saturated with black wet product. In addition, PBW field staff indicated that NAPL was present when gauging borehole MW-17.

At MW-15 a boring was advanced to 5 feet to obtain a soil sample within the acetate liner from 1 to 2 feet

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| for analysis of the vapor intrusion package. A 2 foot split spoon with brass sleeves inside was pushed adjacent to well MW-20 (well was installed on 23 May 2011) for additional geotechnical analysis. |
| **Anticipated Activities for the Following Day** |
| Oversight of monitoring well installation activities. |
| **Report prepared by (name and date)** |
| Teri McMillan 5/24/11 |